

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
MDS-10202/03

In Re Application Of: Michael D. Seidman

AUG 03 2004

Application No.

Filing Date

Patent & Trademark Office

Customer No.

Group Art Unit

Confirmation No.

10/715,148

November 17, 2003

25006

1623

4310

Title: NUTRITIONAL SUPPLEMENT ENHANCING MITOCHONDRIAL FUNCTION

Address to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

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10/715,148	November 17, 2003		25006	1623	4310

NUTRITIONAL SUPPLEMENT ENHANCING MITOCHONDRIAL FUNCTION

Payment of Fee

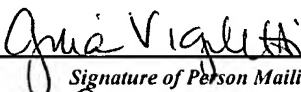
(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Dated: August 3, 2004

CC:

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) MDS-10202/03	Application Number 10/715,148
		Applicant(s) Michael D. Seidman	
		Filing Date 11/17/2003	Group Art Unit 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
INITIAL		Ward, Dean, M.D. "Mitochondrial Dysfunction, Nutrition and Aging." 10/01/2002. < http://www.vrp.com/art/868.asp >	
		Ames, Bruce N. (1983). "Dietary Carcinogens and Anticarcinogens." Science 221:1256-1264.	
		Bast, Aalt and Guido R.M.M. Haenen. (1988). "Interplay between lipoic acid and glutathione in the protection against microsomal lipid peroxidation." Biochemica et Biophysica Acta, 963:558-561.	
		Devasagayam, Thomas P.A. et al. (1993). "Prevention of singlet oxygen induced DNA damage by lipoate." Chem.-Biol. Interactions, 8:79-92.	
		Dimpfel, W. et al. (1990). "Thioctic Acid Induces Dose-Dependent Sprouting of Neurites in Cultured Ray Neuroblastoma Cells." Dev Pharmacol Ther 14:193-199.	
		Fariello, Ruggero G. et al. (1988). "Systemic acetyl-L-carnitine elevates nigral levels of glutathione and GABA." Life Sciences 43:289-292.	
		Fujii, T. et al. (1991). "Specific binding sites for bifemelane in the hippocampus of the guinea pig, relevant to its pharmacological actions." Neuropharmacology 30(12A):1291-1295.	
		Gadaleta, M.N. et al. "Mitochondrial DNA Transcription and Translated in Aged Rat." Annals New York Academy of Sciences pp. 150-160.	
		Gersdorff, M. and D. Franceschi. (1986). "Interet du piracetam dans le traitement de la surdite brusque idiopathique." Ann Oto-Laryng 103:283-285.	
		Giurgea, C. and F. Mouravieff-Lesuisse. (1971). "Pharmacological Studies on an Elementary Model of Learning-- The fixation of an experience at spinal level: Part I: Pharmacological Reactivity of the Spinal cord fixation time." Arch. int. Pharmacodyn. 191:297-291.	
		Harman, Denham. (1982). "Nutritional Implications of the Free-Radical Theory of Aging." Journal of the American College of Nutrition 1:27-34.	
		Harman, Denham, M.D., Ph.D. "Free Radical Theory of Aging: Effects of Free Radical Reaction Inhibitors on the Mortality Rate of Male LAF Mice."	
EXAMINER		DATE CONSIDERED	
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

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*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Harman, Denham. (1981). "The aging process." Proc. Natl. Acad. Sci, USA 78(11)7124-7128.
	Heidrick, Margaret L. et al. (1984). "Effect of dietary 2-mercaptoethanol on the life span, immune system, tumor incidence and lipid peroxidation damage in spleen lymphocytes of aging BC3F Mice." Mechanisms of Aging and Development 27:341-358.
	Herrmann, Werner M. and Kurt Stephan. (1991). "Efficacy and Clinical Relevance of Cognition Enhancers." Alzheimer Disease and Associated Disorders 5(S1)S7-12.
	Imperato, Assunta et al. (1989). Acetyl-L-carnitine enhances acetylcholine release in the striatum and hippocampus of awake freely moving rats." Neuroscience Letters 107:251-255.
	Kabes, J. et al. (1979). "Biological Correlates of Piracetam Clinical Effects in Psychotic Patients." J Int Med Res 7:277-283.
	Kagen, Valerian E. et al. (1992). "Dihydrolipoc Acid—a universal antioxidant both in the membrane and in the aqueous phase." Biochemical Pharmacology 44(8) 1637-1649.
	Markowska, A.L. and D.S. Olton. (1990). "Dietary Acetyl-L-carnitine improves spatial behaviour of old rats." Int. J. Clin. Pharm. Res. 10:65-68.
	Ghirardi, Orlando et al. (1988). "Effects of Acetyl-L-Carnitine Chronic Treatment on Discrimination Models in Aged Rats." Physiology & Behavior 44:769-773.
	Paradies, Giuseppe et al. (1994). "Effect of aging and acetyl-L-carnitine on the activity of cytochrome oxidase and adenine nucleotide translocase in rat heart mitochondria." FEBS Letters 350:213-215.
	Passeri, M. et al. (1990). "Acetyl-L-carnitine in the treatment of mildly demented elderly patients." Int. J. Clin. Pharm. Res. 10:75-79
	Sapolsky, Robery, Ph.D. et al. (1987). "Stress and Glucocorticoids in Aging." Endocrinology and Aging 16(4):965-980.
	Scholich, Heiner et al. (1989). "Antioxidant activity of dihydrolipoate against microsomal lipid peroxidation and its dependence on a-tocopherol." Biochemica et Biophysica Acta 1001:256-261.

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	Serbinova, Elena et al. (1992). "Thioctic acid protects against ischemia-reperfusion injury in the isolated perfused langendorff heart." Free Rad. Res. Comms. 17(1):49-58.		
	Suzuki, Yuichiro J. et al. (1992). "Lipoate prevents glucose-induced protein modifications." Free. Rad. Res. Comms. 17(3):211-217.		
	Suzuki, Yuichiro J. et al. (1991). "Thioctic acid and dihydrolipoic acid are novel antioxidants which interact with reactive oxygen species." Free Rad. Res. Comms. 15(5):255-263.		
	Tolmasoff, Julie M. et al. (1980). "Superoxide dismutase: Correlation with life-span and specific metabolic rate in primate species." Proc. Natl. Acad. Sci. USA 77:2777-2781.		
	Vernon, Margaret W. and Eugene M. Sorkin. (1991). "Piracetam: An Overview of its Pharmacological Properties and a Review of its Therapeutic Use in Senile Cognitive Disorders." Drugs & Aging 1(1):17-35.		
	Wolthuis, O.L. (1971). "Experiments with UCB 6215, a drug which enhances acquisition in rats: its effects compared with those of metamphetamine." European Journal of Pharmacology 16:283-297.		
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